

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

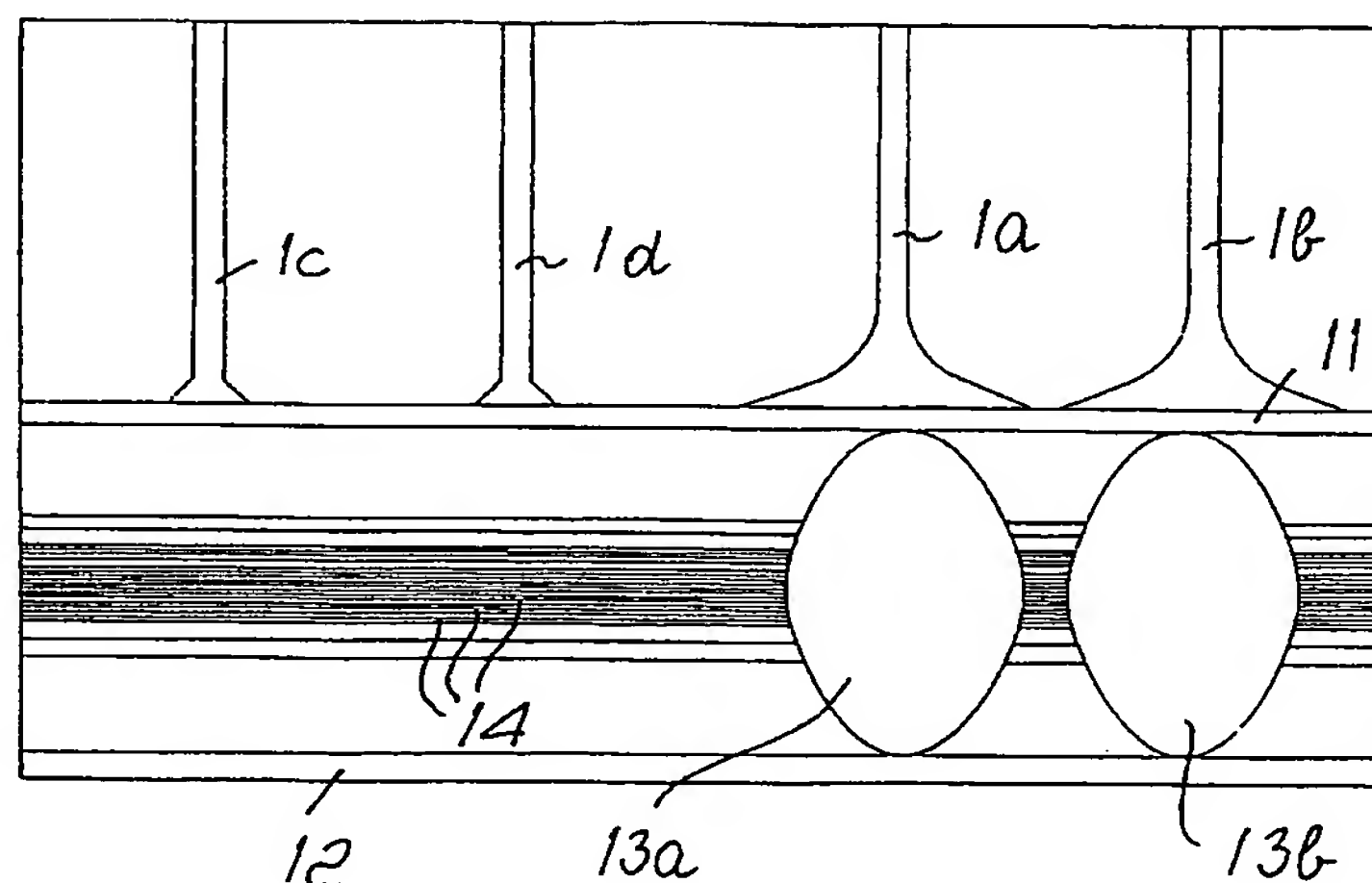
PCT

(10) International Publication Number  
**WO 2005/003420 A2**

- (51) International Patent Classification<sup>7</sup>: D04B 1/22, 9/20
- (21) International Application Number:  
PCT/EP2004/006731
- (22) International Filing Date: 22 June 2004 (22.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
MI 2003 A 001368 3 July 2003 (03.07.2003) IT
- (71) Applicant (for all designated States except US): SAN-  
TONI, S.P.A. [IT/IT]; Via C. Fenzi, 14, I-25135 Brescia  
(IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LONATI, Et-  
tore [IT/IT]; Piazza Paganora, 5, I-25121 Brescia (IT).  
LONATI, Fausto [IT/IT]; Via Mediana, 15, I-25128  
Brescia (IT). LONATI, Tiberio [IT/IT]; Via Sera, 24,  
I-25121 Brescia (IT).
- (74) Agent: MODIANO, Guido; Modiano & Associati, Via  
Meravigli, 16, IT-20123 Milano (IT).
- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished  
upon receipt of that report

[Continued on next page]

(54) Title: METHOD FOR MANUFACTURING KNITTED ARTICLES FOR FORMING ITEMS OF CLOTHING, SUCH AS BODY SUITS, SLEEVELESS TOPS, UNDERSHIRTS, BRAS, UNDERPANTS OR THE LIKE, WITHOUT LATERAL SEAMS, WITH A CIRCULAR KNITTING MACHINE



(57) Abstract: A method for manufacturing knitted articles for forming items of clothing, such as body suits, sleeveless tops, undershirts, bras, underpants or the like, without lateral seams, with a circular knitting machine, that comprises at least one step for forming tabs (1a, 1b, 1c, 1d, 2a, 2b, 2c, 2d, 3a, 3b), in which exclusively all or some of the needles that belong to at least one sector of the needle cylinder are moved so as to knit at at least one feed or drop of the machine, and the needle cylinder of the machine is actuated with an alternating rotary motion about its own axis, with an extent of oscillation that is sufficient to produce the transit, at the at least one cited feed, of all the needles of the at least one sector that are moved to knit at that feed, in order to make these needles form a preset number of rows of knitting.

WO 2005/003420 A2



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*